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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/688,848	10/17/2003	Kumar Sundararajan	021970-000610US	9446

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EXAMINER

LANIER, BENJAMIN E

ART UNIT	PAPER NUMBER
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2132

MAIL DATE	DELIVERY MODE
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11/08/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/688,848

Applicant(s)

SUNDARARAJAN ET AL.

Examiner

Benjamin E. Lanier

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-26 are rejected under 35 U.S.C. 102(a) and/or 102(e) as being anticipated by Blumenau, U.S. Publication No. 2002/0083339. Referring to claims 1, 10, 11, 19, Blumenau discloses a switch that receives an initial packet of a Fibre network that includes source and destination information ([0029]). The switch generates fabric IDs to be associated with the source and destination in the packet, which is used for later transmissions [0029]), which meets the limitation of transferring an initiator frame through a Fibre Channel, the Fibre Channel being coupled to a security apparatus, receiving the initiator frame via a Fibre Channel interface at the security apparatus, determining header information from the initiator frame, extracting source information, destination information, and exchange information from the header information. Access privileges are determined based on source and destination information to determine if the received requests should be granted ([0034]-[0035]), which meets the limitation of retrieving at least one policy upon at least the source information and the destination information, the policy being directed to setting up at least a flow associated with the initiator frame, performing a look

up operation on a look up table using a header information on the initiator frame, creating one or more flows based upon the header information in the initiator information, associating a subsequent frame including an incoming payload with the flow associated with the initiator frame, processing an incoming payload associated with a subsequent frame and associated with the initiator frame, and transferring the processed payload through the Fibre Channel. The packets are formatting according to a SCSI protocol ([0032]), which meets the limitation of receiving the initiator frame via a SCSI format through the Fibre Channel.

Referring to claims 2, 3, 14, 22, 23, Blumenau discloses that the access privilege information is stored in a database ([0041]), which meets the limitation of the policy is one of a plurality of policies stored in a rule database/content addressable module, the content addressable module being a content addressable memory.

Referring to claims 4, 7, 26, Blumenau discloses that access privileges are determined based on source and destination information to determine if the received requests should be granted ([0034]-[0035]), which meets the limitation of the service is a security operation, the policy is associated with an access control process, the processing is performed using at least one policy.

Referring to claims 5, 6, 15, Blumenau discloses that the requests can be for access to encrypted data ([0078]), which meets the limitation of the initiator frame is associated with a read/write request and the policy is associated with a decryption/encryption process.

Referring to claim 8, Blumenau discloses that the filter table can be updated based on a reconfiguration in the network ([0051]), which meets the limitation of the policy is associated with a statistics process.

Referring to claim 9, Blumenau discloses that access is being provided to network storage areas ([0056]), which meets the limitation of the policy is associated with a transport policy.

Referring to claims 12, 13, 20, 21, Blumenau discloses a switch that receives an initial packet of a Fibre network that includes source and destination information ([0029]), which meets the limitation of the processing of the incoming payload is provided at wire speed, the processing of the incoming payload is at a speed greater than 1 Gigabit per second.

Referring to claims 24, 25, Blumenau discloses that the switch generates fabric IDs to be associated with the source and destination in the packet, which is used for later transmissions [0029]), which meets the limitation of the incoming payload is provided on a responder frame, the processing of the incoming payload is based upon the flow that was based upon the header information.

Referring to claims 16, 18, Blumenau discloses a switch that receives an initial packet of a Fibre network that includes source and destination information ([0029]). The switch generates fabric IDs to be associated with the source and destination in the packet, which is used for later transmissions [0029]), which meets the limitation of an interface coupled to a Fibre Channel, a classifier coupled to the interface, the classifier being adapted to receive an initiator frame from the interface, the classifier being adapted to determine header information from the initiator frame and being adapted to determine source information, destination information, and exchange information from the header information. Access privileges are determined based on source and destination information to determine if the received requests should be granted ([0034]-[0035]), which meets the limitation of a flow content addressable memory coupled to the classifier, the flow content addressable memory being configured to store one or more header information,

each of the one or more header information being associated with a state, a rule content addressable memory coupled to the classifier, the rule content addressable memory being configured to store one of a plurality of policies, and a processing module coupled to the classifier, the processing module being adapted to process an incoming payload associated with the initiator frame and the header information.

Referring to claim 17, Blumenau discloses that the filter table can be updated based on a reconfiguration in the network ([0051]), which meets the limitation of a statistics processor coupled to the classifier.

Conclusion


3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin E. Lanier whose telephone number is 571-272-3805. The examiner can normally be reached on M-Th 6:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Benjamin E. Lanier